

Correlation and Causation Practice Worksheet

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1. If one factor is responsible for change in another factor then it means there is causation.
 - a. TRUE
 - b. FALSE

2. Fossil fuels burn and emit _____.
 - a. sulfur dioxide
 - b. chlorine dioxide
 - c. carbon dioxide
 - d. nitrogen dioxide

3. Carbon dioxide levels in the atmosphere are increasing. Fossil fuel use is increasing. Knowing just these two facts and no other information, what is this?
 - a. A positive correlation
 - b. A negative correlation
 - c. Causation
 - d. Both A and C

4. Alcohol consumption increases the chances of liver damage. This is a positive correlation.
 - a. TRUE
 - b. FALSE

5. Is the increase in fossil fuel burning causing the rise in average global temperature?
 - a. no
 - b. yes

6. Sugar consumption is increasing. Average annual arctic sea ice cover is decreasing. With just these two facts and no other information, what is this?
 - a. A positive correlation
 - b. A negative correlation
 - c. Causation
 - d. Both B and C

7. An increase in crime leads to an increase in the number of police officers on duty in order to combat this crime. This is an example of causation.

- a. TRUE
- b. FALSE

8. Burning fossil fuels leads to increased global warming. As a result, we can describe a _____ between these two factors.

- a. Causation
- b. Correlation
- c. Equation
- d. Both A and B

9. Complete the sentence using the word **correlation** or **causation**.

_____ refers to a factor that is determined to produce an effect.

Answer:

10. When a student does not attend school (attendance decreases), his/her grades go down. This is a positive correlation.

- a. TRUE
- b. FALSE

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